

List of Current Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 10 (Cancelled).

11. (Currently Amended) The ~~sensor plug head~~ apparatus as claimed in claim [[10]] 19, wherein:

the sensor is a potentiometric sensor with an output for issuing a potential-dependent signal; and

the liquid container is a reference container.

12. (Currently Amended) The ~~sensor plug head~~ apparatus as claimed in claim [[10]] 19, wherein:

said supply connection element includes a first connection element;

the sensor includes a second connection element; and

said first connection element is complementary to said second connection element.

13. (Currently Amended) The ~~sensor plug head~~ apparatus as claimed in claim 12, wherein:

said first connection element includes an electrolyte line and said second connection element includes an opening; and

said electrolyte line is connectable to said opening, for supplying the reference container with electrolyte.

14. (Currently Amended) The ~~sensor plug head~~ apparatus as claimed in claim [[10]] 19, wherein:

said at least one output and said at least one input include galvanic contacts.

15. (Currently Amended) The ~~sensor plug head~~ apparatus as claimed in claim [[10]] 19, wherein:

said at least one output and said at least one input each include an inductive interface.

16. (Currently Amended) The ~~sensor plug head~~ apparatus as claimed in claim [[10]] 19, wherein:

said potentiometric sensor is a pH-sensor or a redox sensor.

17. (Currently Amended) The ~~sensor plug head~~ apparatus as claimed in claim 10, wherein:

said potentiometric sensor includes an ion-sensitive field-effect transistor.

18. (Currently Amended) A sensor ~~arrangement~~, comprising:

~~a sensor having at least one output for issuing at least one signal, wherein:~~
~~said sensor has a liquid container, which is fillable with a reference or calibration liquid, and;~~

a sensor plug head having at least one input for receiving a potential-dependent signal [[,]] ; and

a supply connection element for connecting to the liquid container.

19. (New) An apparatus, comprising;

a potentiometric sensor; and

a sensor plug head for connection to said potentiometric sensor, wherein:

said potentiometric sensor comprises:

a working electrode and a reference electrode, for providing a potential difference between said working electrode and said reference electrode, wherein the reference electrode is arranged in a reference electrolyte provided in a liquid container;

a connection piece for receiving said sensor plug head, said connection piece being mounted to said working electrode and said reference electrode; and

at least one output for issuing a potential-dependent signal, said signal depending on said potential difference, said output being provided at said connection piece; and

said sensor plug head comprises:

at least one input for receiving said potential-dependent signal from said output; wherein said output and said input each comprise an inductive interface, said potential-dependent-signal being issued by modulation of an AC-signal; and

a supply connection element for connecting to the liquid container in order to provide said liquid container with said reference electrolyte.